

AMENDMENTS TO CLAIMS

Please amend pending claims 3, 7, 13, and 17 as indicated below. A complete listing of all claims and their status in the application are as follows:

1. (original) A printer comprising:
a print engine; and
a monochrome formatter connected to the print engine and being operatively connectable to a color chip.
2. (original) The printer as claimed in claim 1 wherein:
the print engine is for a monochrome printer; and
the monochrome formatter includes a first memory controller for controlling access to a storage device of the printer.
3. (currently amended) The printer as claimed in claim 1 wherein:
the print engine is for a monochrome printer; and
the monochrome formatter includes a processor operatively connectable to the ~~color~~ a color chip and capable of controlling a color chip.
4. (original) The printer as claimed in claim 1 wherein:
the print engine is for a monochrome printer; and
the monochrome formatter includes a first decompressor operatively connectable to a color chip, the first decompressor for decompressing data for the print engine.
5. (original) The printer as claimed in claim 1 wherein:
the print engine is for a monochrome printer; and
the monochrome formatter includes means for connecting access connections from a color chip.
6. (original) The printer as claimed in claim 1 wherein:
the print engine is for a color printer; and
further comprising:
a color chip operatively connected to the monochrome formatter.
7. (currently amended) The printer as claimed in claim 1 ~~further comprising wherein:~~
the print engine is for a color printer;

the monochrome formatter comprising a first memory controller for controlling access to a storage device of the printer; and

further comprising:

a color chip operatively connected to the monochrome formatter and comprising a second memory controller cooperating with a first memory controller for controlling access to the storage device.

8. (original) The printer as claimed in claim 1 wherein:
the print engine is for a color printer;
the monochrome formatter includes a processor for controlling the operations of the monochrome formatter; and
further comprising:
a color chip operatively connected to the monochrome formatter and using the processor to control operations of the color chip.
9. (original) The printer as claimed in claim 1 wherein:
the print engine is for a color printer;
the monochrome formatter includes a first decompressor for decompressing data for the print engine; and
further comprising:
a color chip operatively connected to the monochrome formatter and comprising a second decompressor for decompressing data for the print engine.
10. (original) The printer as claimed in claim 1 wherein:
the print engine is for a color printer; and
further comprising:
a color chip operatively connected to the monochrome formatter and comprising means for requesting and granting operative connection between the color chip and the monochrome formatter.
11. (original) A printer comprising:
a print engine; and
a monochrome formatter connected to the print engine and comprising a first internal communication bus operatively connectable to a second internal communication bus in a color chip.

12. (original) The printer as claimed in claim 11 wherein:
the print engine is for a monochrome printer; and
the monochrome formatter includes a first memory controller for controlling access of
a plurality of components to a storage device of the printer, the first memory
controller further comprising an arbiter for determining component access to
the storage device.
13. (currently amended) The printer as claimed in claim 11 wherein:
the print engine is for a monochrome printer; and
the monochrome formatter includes a processor operatively connectable to ~~the color~~ a
color chip and capable of having access by a color chip.
14. (original) The printer as claimed in claim 11 wherein:
the print engine is for a monochrome printer; and
the monochrome formatter includes a first decompressor operatively connectable to a
color chip, the first decompressor for decompressing monochrome data for the
print engine.
15. (original) The printer as claimed in claim 11 wherein:
the print engine is for a monochrome printer; and
the monochrome formatter further includes connectors for connecting request and
grant lines from a color chip.
16. (original) The printer as claimed in claim 11 wherein:
the print engine is for a color printer; and
further comprising:
a color chip including a second internal communication bus operatively connected to
the first internal communication bus of the monochrome formatter.
17. (currently amended) The printer as claimed in claim 11 ~~further comprising wherein:~~
the print engine is for a color printer;
the monochrome formatter including a first memory controller for controlling access
to a storage device of the printer; and
further comprising:

- a color chip operatively connected to the monochrome formatter and including a second memory controller having a requestor cooperating with a first memory controller having an arbiter for controlling access to the storage device.
18. (original) The printer as claimed in claim 11 wherein:
the print engine is for a color printer;
the monochrome formatter includes a processor for controlling the operations of the monochrome formatter; and
further comprising:
a color chip operatively connected to the monochrome formatter and using the processor to control operations of the monochrome formatter and the color chip.
19. (original) The printer as claimed in claim 11 wherein:
the print engine is for a color printer;
the monochrome formatter includes a first decompressor for decompressing a portion of data for the print engine; and
further comprising:
a color chip operatively connected to the monochrome formatter and comprising a second decompressor for decompressing the remainder of the data for the print engine.
20. (original) The printer as claimed in claim 11 wherein:
the print engine is for a color printer; and
further comprising:
a storage device in at least one of the monochrome formatter, the color chip, and a combination thereof; and
a color chip operatively connected to the monochrome formatter and comprising means for requesting and granting operative connection between a second internal bus in the color chip and the first internal bus of the monochrome formatter to control data storage in the storage device.